

FIG. 1 Exploded view of the gripwheel driver assembly illustrating one of the manners of having the guide half of the assembly spin freely relative, while girdling upon, a shank used as axil, the manner being through spinning freely as immediately upon the shank by way of the shank being inserted through a bore piercing through the guide, the specific means used to effect rotating freely as such being having the guide rotationally unengaged to the shank in any way

FIG. 2 Exploded view of the gripwheel driver assembly illustrating one of two manners of having the guide half of the assembly spin freely relative, while girdling upon, a shank used as axil, the manner being through spinning freely as upon another component ringing the shank by way of the shank being inserted through a bore piercing through the other component, the other component piercing through a bore piercing through the guide, the specific means used to effect rotating freely as such being having the guide rotationally unengaged to the shank in any way

FIG. 3 Gripwheel driver assembly as assembled

FIG. 4 Cross section of a gripwheel driver assembly on a driver tool, the drive-wheel half of the assembly shown engaging a shank by direct manner

FIG. 5A Cross section of a gripwheel driver assembly on a driver tool, the drive-wheel of the assembly shown engaging a shank by manner of a drive-train

FIG. 5 b Partial-cross-section side view of the rear-driver-handle-fore-portion depicted in FIG. 5A front view with cutaway portion depicted in phantom

FIG. 6 Gripwheel driver assembly on a driver tool, both manners of engaging the assembly's drive wheel to a driver's shank are shown illustrated in phantom, one manner being directly fixed to the shank, the other way being through linkage using a drive train, the assembly itself remaining the same

FIG. 7 Gripwheel driver assembly on driver tool, the tool's work end and operating end revealed

FIG. 8 Gripwheel driver assembly bottom plan perspective view revealing the drive-wheel's internal face

FIG. 9 Gripwheel driver assembly top plan perspective view revealing a bore through the slip ring type hand-held-guide which would be used to have the guide loosely girdling a driver's shank

FIG. 10 Side plan exploded view revealing the slip ring type hand-held-guide being slipped into place loosely girdling a driver's shank

FIG. 11 Side plan view of a preferred type driver-tool of the genre to which a gripwheel driver assembly would be attached

FIG. 12 Recommended sequence of hand operations for utilization of the gripwheel driver assembly as mounted on a driver tool

13 Slip ring type hand-held-guide

14 Hand operated drive-wheel

15a Engaging by being fixed upon, one of the two manners of engaging, the specific means illustrated being ridges to be press fitted upon thereby gripping upon a surface

15b The drive-wheel's fixed engagement upon the driving-gear by having the wheel's internal face fixed to one side of the driving-gear

15c Driven gear's fixed engagement upon the shank through girdling fixed upon the shank

49 15D Engaging through linkage by way of a drive train, one of two manners of  
50 engaging, the specific means illustrated being a geared internal-drive train  
51 to equalize the ability of one hand, positioned on side of a tool, to spin a  
52 handle on the tool, with the ability of the other hand, positioned on rear of  
53 the tool, to spin an other handle on the tool

54 16 Retaining ring

55 17 Retaining ring different from 16

56 18 Drive-wheel hub

57 20 Driving-gear

58 21 Idler-gear

59 22 Second-idler-gear

60 23 Driven-gear

61 24 Bilateral repeat of gearing arrangement

62 25 Driver handle's fore-portion ( the rear-driver-handle fore-portion, the fore-  
63 portion of a driver's main handle)

64 26 Ratchet direction setting means

65 27 Driver's handle (rear driver handle, the driver's main handle)

66 28 Work end of driver tool, work end of the driver's shank (free end of the s  
67 shank)

68 29 Operating end of driver tool, operating end of the driver's handle (operating  
69 end of the rear driver handle, the driver's main handle)

70 30 Bore in slip ring type hand-held-guide enabling guide to girdle free to rotate  
71 relative a shank

72 31 A Bore through hub and drive-wheel which can be used to enable hub and  
73 drive-wheel to girdle, engaged and fixed, upon a shank

74 32 Drive-wheel's internal face

75 33 Driver's shank

76 34 External face of drive-wheel that is to face the work end of tool

77 35 Rear face of slip ring type hand-held-guide that is to face the drive-wheel

78 36 Hand one of operator used on gripwheel

79 37 Hand two of operator used on driver's handle ( rear driver handle, driver's  
80 main handle)

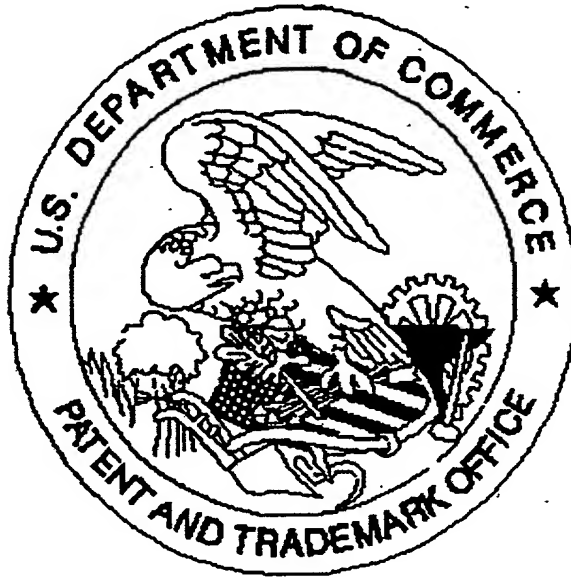
81 38 First portion of hand one which continuously holds the slip ring type hand-  
82 held-guide

83 39 Second portion of hand one, not used on slip ring type hand-held-guide, but  
84 used to operate drive-wheel

85 40 Housing of the driver-handle's fore-portion (housing of rear driver handle,  
86 the driver's main handle)

87 41 Gripwheel driver assembly

United States Patent & Trademark Office  
Office of Initial Patent Examination – Scanning Division



Application deficiencies found during scanning:

☒ Page(s) \_\_\_\_\_ of transmittal were not present  
for scanning. (Document title)

☐ Page(s) \_\_\_\_\_ of \_\_\_\_\_ were not present  
for scanning. (Document title)

\* Scanned copy is best available. *Specifications pages are out of order.*